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(19) **United States**(12) **Patent Application Publication****Merry et al.**(10) **Pub. No.: US 2015/0089959 A1**(43) **Pub. Date: Apr. 2, 2015**(54) **GAS TURBINE ENGINE SHAFT BEARING CONFIGURATION****Publication Classification**(71) Applicant: **United Technologies Corporation,**
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Gabriel L. Suci, Glastonbury, CT (US)(21) Appl. No.: **14/570,091**(22) Filed: **Dec. 15, 2014****Related U.S. Application Data**

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USPC **60/805; 415/111**(57) **ABSTRACT**

A gas turbine engine includes a core housing that has an inlet case and an intermediate case that respectively provide an inlet case flow path and an intermediate case flow path. The shaft supports a compressor section that is arranged axially between the inlet case flow path and the intermediate case flow path. A geared architecture is coupled to the shaft, and a fan coupled to and rotationally driven by the geared architecture. The geared architecture includes a sun gear supported on the second end. A first bearing supports the shaft relative to the intermediate case and a second bearing supporting the shaft relative to the inlet case. The second bearing is arranged radially outward from the shaft.

